ELSEVIER

Lithos 50 (2000) 351–352

LITHOS

www.elsevier.nl/locate/lithos

Contents of volume 50

Editorial vii

Research papers

An isotopic and geochemical study of the northern Kaapvaal Craton and the Southern Marginal Zone of the Limpopo Belt: are they juxtaposed terranes?
K. Kreissig, T.F. Nägler, J.D. Kramers, D.D. van Reenen and C.A. Smit 1

Geochemical evolution of earliest Carboniferous continental tholeiitic basalts along a crustal-scale shear zone, southwestern Maritimes basin, eastern Canada
G. Dessureau, D.J.W. Piper and G. Pe-Piper 27

High-potassium, calc-alkaline I-type plutonism in the European Variscides: northern Vosges (France) and northern Schwarzwald (Germany)
R. Altherr, A. Holl, E. Hegner, C. Langer and H. Kreuzer 51

Origin of megacrysts in the mafic alkaline lavas of the West Eifel volcanic field, Germany
C.S.J. Shaw and J. Eyzaguirre 75

P–T–t development of Archaean granulites in Varpaisjärvi, Central Finland. I. Effects of multiple metamorphism on the reaction history of mafic rocks
P. Höltta and J. Paavola 97

P–T–t development of Archaean granulites in Varpaisjärvi, Central Finland. II. Dating of high-grade metamorphism with the U–Pb and Sm–Nd methods
P. Höltta, H. Huhma, I. Mänttäri and J. Paavola 121

Petrology and evolution of the Hercynian Pieria Granitoid Complex (Thessaly, Greece): paleogeographic and geodynamic implications
C.N. Kotopouli, G. Pe-Piper and D.J.W. Piper 137

Geochemistry of enclaves and host granites from the Nelas area, central Portugal
M.M.V.G. Silva, A.M.R. Neiva and M.J. Whitehouse 153

Causes of geochemical diversity in peraluminous granitic plutons: the Jálama pluton, Central-Iberian Zone (Spain and Portugal)
J.A. Ramírez and S. Grundvig 171

Cretaceous–Paleogene basaltic rocks of the Tuyon basin, NW China and the Kyrgyz Tian Shan: the trace of a small plume
E.R. Sobel and N. Arnaud 191

Ancient isotopic characteristics of Neogene potassic magmatism in Western New Guinea (Irian Jaya, Indonesia)
T. Housh and T.P. McMahon 217

Fluorine as a tool in the petrogenesis of quartz-bearing magmatic associations: applications of an improved F–OH biotite–apatite thermometer grid
R. Sallet 241

Book reviews 255

Research papers

Geochronology and petrogenesis of Pan-African, syn-tectonic, S-type and post-tectonic A-type granite (Namibia): products of melting of crustal sources, fractional crystallization and wall rock entrainment
S. Jung, S. Hoernes and K. Mezger 259

Intermediate high-pressure exhumation of the northern segment of the Sanbagawa belt, Saruta-gawa area, central Shikoku, Japan
Y. Banno 289

The Ordovician chondrite from Brunflo, central Sweden. III. Geochemistry of terrestrial alteration
B.A. Hofmann, J.O. Nyström and U. Krähenbühl 305
Sr and Nd isotopic compositions, age and petrogenesis of A-type granitoids of the Vernon Supersuite, New Jersey Highlands, USA
R.A. Volkert, M.D. Feigenson, L.C. Patino, J.S. Delaney and A.A. Drake Jr. 325

Author index to volume 50 349

Contents of volume 50 351